## **IN THE CLAIMS:**

Please cancel claims 26 and 29-30, without prejudice.

- 1. (Currently Amended) A fuel for a direct methanol fuel cell comprising:
- 2 methanol, and
- an effective amount of an additive that an additive which is a fuel precursor in an
- 4 <u>effective amount such that said additive undergoes a reaction with water to produce small</u>
- 5 molecules that are easily electro oxidized.
- 1 2. (Original) A fuel for a direct methanol fuel cell as in claim 1 wherein the addi-
- 2 tive is dimethyloxymethane.
- 1 3. (Original) A fuel for a direct methanol fuel cell as in claim 2, wherein the fuel
- 2 comprises about 20 mole percent dimethyloxymethane.
- 4. (Original) A fuel for a direct methanol fuel cell as in claim 3 further comprising
- less than about .1% by weight of an indicating dye.
- 1 5. (Original) A fuel for a direct methanol fuel cell as in claim 4 where the indicating
- 2 dye includes sulfonated activated carbon particles.
- 1 6. (Original) A fuel for a direct methanol fuel cell as in claim 1 wherein the addi-
- tive is methylorthoformate.
- 7. (Original) A fuel for a direct methanol fuel cell as in claim 6, wherein the fuel
- 2 comprises about 10 mole percent methylorthoformate.

- 8. (Original) A fuel for a direct methanol fuel cell as in claim 7 further comprising
- less than about .1% by weight of an indicating dye.
- 9. (Original) A fuel for a direct methanol fuel cell as in claim 8 where the indicating
- 2 dye includes sulfonated activated carbon particles.
- 1 10. (Original) A fuel for a direct methanol fuel cell as in claim 1 wherein the additive
- 2 is tetramethylorthocarbonate.
- 1 11. (Original) A fuel for a direct methanol fuel cell as in claim 10, wherein the fuel
- 2 comprises about 10 mole percent tetramethylorthocarbonate.
- 1 12. (Original) A fuel for a direct methanol fuel cell as in claim 11 further comprising
- less than about .1% by weight of an indicating dye.
- 1 13. (Original) A fuel for a direct methanol fuel cell as in claim 12 where the indicat-
- 2 ing dye includes sulfonated activated carbon particles.
- 1 14. (Original) A fuel for a direct methanol fuel cell as in claim 1 wherein the addi-
- 2 tive is trimethylborate.
- 1 15. (Original) A fuel for a direct methanol fuel cell as in claim 14, wherein the fuel
- 2 comprises about 7 mole percent trimethylborate.
- 1 16. (Original) A fuel for a direct methanol fuel cell as in claim 15 further comprising
- less than about .1% by weight of an indicating dye.
- 17. (Original) A fuel for a direct methanol fuel cell as in claim 16 where the indicat-
- 2 ing dye includes sulfonated activated carbon particles.

- 1 18. (Original) A fuel for a direct methanol fuel cell as in claim 1 wherein the addi-
- tive is tetramethylorthosilicate.
- 1 19. (Original) A fuel for a direct methanol fuel cell as in claim 18, wherein the fuel
- 2 comprises about 5 mole percent tetramethylorthosilicate.
- 1 20. (Original) A fuel for a direct methanol fuel cell as in claim 19 further comprising
- less than about .1% by weight of an indicating dye.
- 1 21. (Original) A fuel for a direct methanol fuel cell as in claim 20 where the indicat-
- 2 ing dye includes sulfonated activated carbon particles.
- 1 22. (Currently Amended) A fuel for a direct methanol fuel cell comprising:
- 2 methanol; and
- at least one additive that an additive which is a fuel precursor in an effective
- 4 amount such that said additive undergoes a reaction with water to produce small
- 5 molecules that are easily electro oxidized selected from the group consisting of:
- dimethyloxymethane, methylorthoformate, tetramethyl orthocarbonate, trimethyl
- borate, and tetramethyl orthosilicate.
- 1 23. (Original) A fuel for a direct methanol fuel cell as in claim 22 further comprising
- less than about .1% by weight of an indicating dye.
  - 24. (Currently Amended)—A fuel for a direct methanol fuel cell as in claim 23 where
- 2 A fuel for a direct methanol fuel cell comprising:
- methanol; and

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- an additive which is a fuel precursor in an effective amount such that said additive
- 5 undergoes a reaction with water to produce small molecules that are easily electro
- oxidized selected from the group consisting of: dimethyloxymethane, methylor-
- thoformate, tetramethyl orthocarbonate, trimethyl borate, and tetramethyl ortho-

- silicate and about 0.1% by weight of an indicating dye, and the indicating dye includes sulfonated activated carbon particles.
- 1 25. (Original) A fuel additive for a direct methanol fuel cell consisting essentially of
- at least one additive that undergoes a rapid reaction with water to produce small mole-
- 3 cules that are easily electro oxidized selected from the group consisting of: dimethyloxy-
- 4 methane, methylorthoformate, tetramethyl orthocarbonate, trimethyl borate, and tetrame-
- thyl orthosilicate; and an effective amount of an indicating dye.
- 1 26. (Cancelled)
- 1 27. (Currently Amended) A fuel for a direct methanol fuel cell comprising: 2 methanol;
- an effective amount of an additive which is a fuel precursor in an effective
  amount such that said additive that undergoes a reaction with water to produce small
  molecules that are easily electro oxidized; and
- 6 an effective amount of a metal hydride.
- 1 28. (Currently Amended) A fuel for a direct methanol fuel cell comprising: 2 methanol; and
- an effective amount of at least one additive one or more additives including an

  additive which is a fuel precursor in an effective amount such that said additive that un-
- dergoes a reaction with water to produce small molecules that are easily electro oxidized
- selected from the group consisting of: dimethyloxymethane, methylorthoformate,
- tetramethyl orthocarbonate, trimethyl borate, and tetramethyl orthosilicate; and
- 8 an effective amount of a metal hydride.
- 1 29-30. (Cancelled)

- 1 31. (Currently Amended) The method of preparing a fuel mixture for a direct metha-2 nol fuel cell comprising the steps of:
  - a) providing a supply of concentrated methanol; and

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- b) adding an effective amount of a at least one additive that an additive
  which is a fuel precursor in an effective amount such that said additive
  undergoes a reaction with water to produce small molecules that are easily
  electro oxidized selected from the group consisting of: dimethyloxymethane, methylorthoformate, tetramethyl orthocarbonate, trimethyl borate,
  and tetramethyl orthosilicate.
- 1 32. (Currently Amended) The method of preparing a fuel mixture for a direct metha2 nol fuel cell as in claim 30\_31 further comprising the step of:
  3 e)\_providing a supply of concentrated methanol; and adding an effective amount
  4 of at least one metal hydride selected from the group consisting of LiAlH<sub>4</sub>,
  5 NaBH<sub>4</sub>, LiBH<sub>4</sub>, (CH<sub>3</sub>)<sub>2</sub> NHBH<sub>3</sub>, NaAlH<sub>4</sub>, B<sub>2</sub>H<sub>6</sub>, NaCNBH<sub>3</sub>, CaH<sub>2</sub>, LiH, NaH, KH